

Distributor NEDY-L2R1-V1-M12G5-U-0.3L-M12G4-5R

Part number: 8035776

FESTO



 General operating condition

Data sheet

| Feature | Value |
|--|--|
| Based on standard | EN 61076-2-101 |
| Design | Y-distributor with cables on both sides |
| Distribution | Y type |
| Cable designation | With label holder |
| Type of mounting | Via through-hole for M2 screw With accessories |
| Product weight | 187 g |
| Electrical connection 1, function | Controller side |
| Electrical connection 1, design | Round |
| Electrical connection 1, connection type | Plugs |
| Electrical connection 1, cable outlet | Straight |
| Electrical connection 1, connector system | M12x1, A-coded to EN 61076-2-101 |
| Electrical connection 1, number of connections/cores | 4 |
| Electrical connection 1, used connections/cores | 4 |
| Electrical connection 1, type of mounting | Screw-type lock with 13 mm hexagon and longitudinal knurl Rotatable |
| Electrical connection 1, compatible type of mounting | Compatible with rotatable/non-rotatable screw-type lock |
| Electrical connection 1, connection pattern | 00995386 |
| Electrical connection 2, function | Field device side |
| Electrical connection 2, design | Round |
| Electrical connection 2, connection type | 2x socket |
| Electrical connection 2, cable outlet | Straight |
| Electrical connection 2, connector system | M12x1, A-coded to EN 61076-2-101 |
| Electrical connection 2, number of connections/cores | 5 |
| Electrical connection 2, used connections/cores | 4 |
| Electrical connection 2, type of mounting | Screw-type lock with 13 mm hexagon and longitudinal knurl Rotatable |
| Electrical connection 2, compatible type of mounting | Compatible with rotatable/non-rotatable screw-type lock |
| Electrical connection 2, connection pattern | 00991861 |
| Operational voltage range DC | 0 V ... 30 V |
| Operational voltage range AC | 0 V ... 30 V |
| Current rating at 40° C | 4 A |
| Immunity to surge | 0.8 kV |
| Cable length 1 | 5 m |
| Cable length 2 | 0.3 m |
| Cable characteristic | Suitable for energy chains/robot applications |

| Feature | Value |
|---|--|
| Test conditions cable | Bending strength: to Festo standard Test conditions on request Torsional strength: > 300,000 cycles, ±270°/0.1 m Energy chain: > 5 million cycles, bending radius 28 mm |
| Min. bending radius with free moving insert 1 | 46 mm |
| Min. bending radius with free moving insert 2 | 46 mm |
| Cable diameter 1 | 4.5 mm |
| Cable diameter 2 | 4.5 mm |
| Nominal cross section conductor | 0.25 mm ² |
| Degree of protection | IP65 IP68 IP69K |
| Ambient temperature | -25 °C ... 80 °C |
| Note on ambient temperature | -10 - 40°C with mounting via through-hole |
| Ambient temperature with moving cable | -20 °C ... 80 °C |
| Storage temperature | -25 °C ... 80 °C |
| CE mark (see declaration of conformity) | In accordance with EU RoHS Directive |
| UKCA marking (see declaration of conformity) | To UK RoHS instructions |
| LABS (PWIS) conformity | VDMA24364-B2-L |
| Note on materials | RoHS-compliant Free of halogen Free of phosphoric acid ester |
| Pollution degree | 3 |
| Corrosion resistance class CRC | 2 - Moderate corrosion stress |
| Material cable sheath | TPE-U(PUR) |
| Cable sheath colour | Grey |
| Material housing | PA TPE-U(PUR) |
| Housing colour | Black |
| Material union nut | Nickel-plated brass |
| Material seals | NBR |
| Material electrical contact | Gold-plated copper alloy |
| Material threaded sleeve | Nickel-plated brass |